

US EPA ARCHIVE DOCUMENT

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Economic Components of Recycling
Creating Manufacturing Jobs
October 20, 2011

Will Sagar
Policy Director

Focus on a Different Green



Manufacturing jobs
Tax Revenue
Economic Impact



Sponsor members



InterfaceFLOR®



Regional Collaboration = Increased Access to Markets



Summary of Region Wide Findings:

- 206 manufacturers
- 47,525 employees
- \$29.4 Billion sales revenue



PROFILE OF THE SOUTHEAST REGION

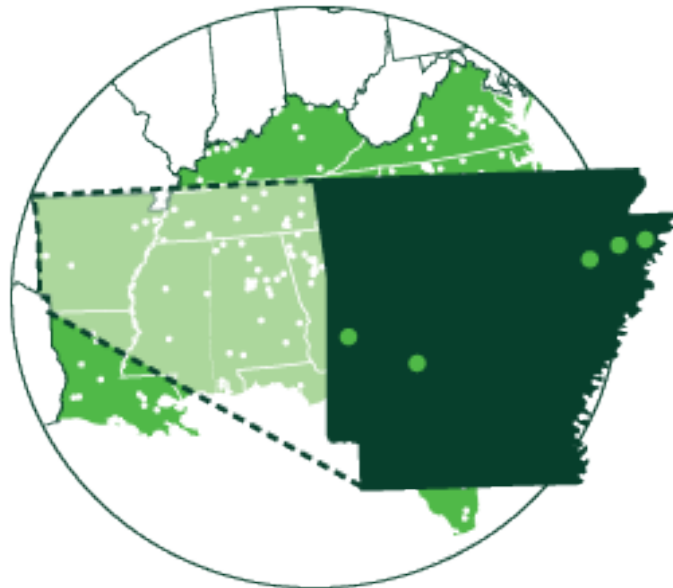
- A summary of key Southeastern manufacturers who look to recycled content feedstock to build their consumer level goods.





Arkansas

5 Manufacturing Facilities
\$381 million in yearly sales
1,200 Arkansas Jobs

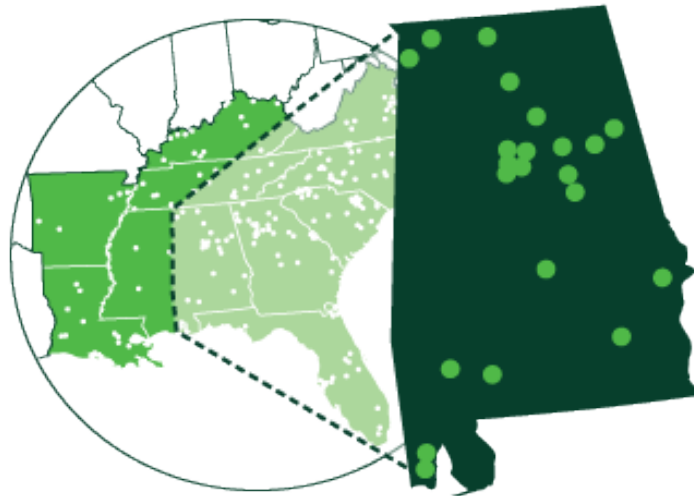


Alabama

26 Manufacturing Facilities

\$6.6 billion in yearly sales

10,700 Alabama Jobs

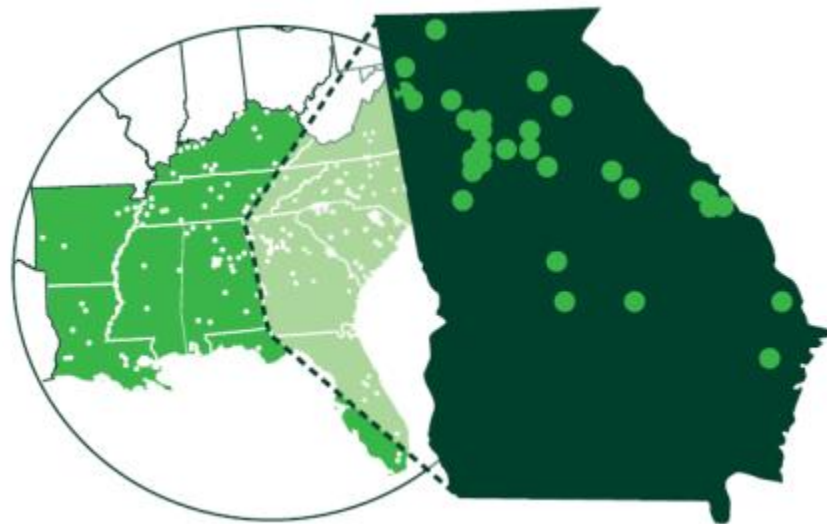


Georgia

31 Manufacturing Facilities

\$4.5 Billion in yearly sales

7,000 Georgia Jobs

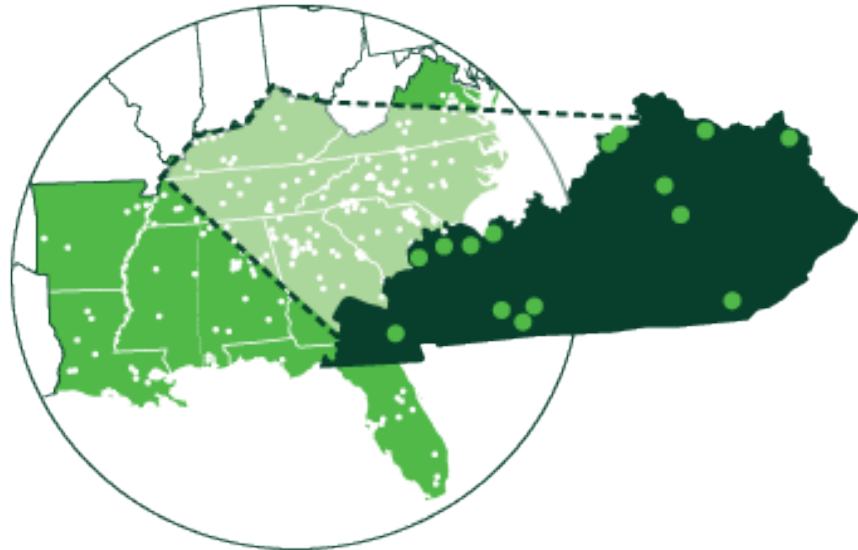


Kentucky

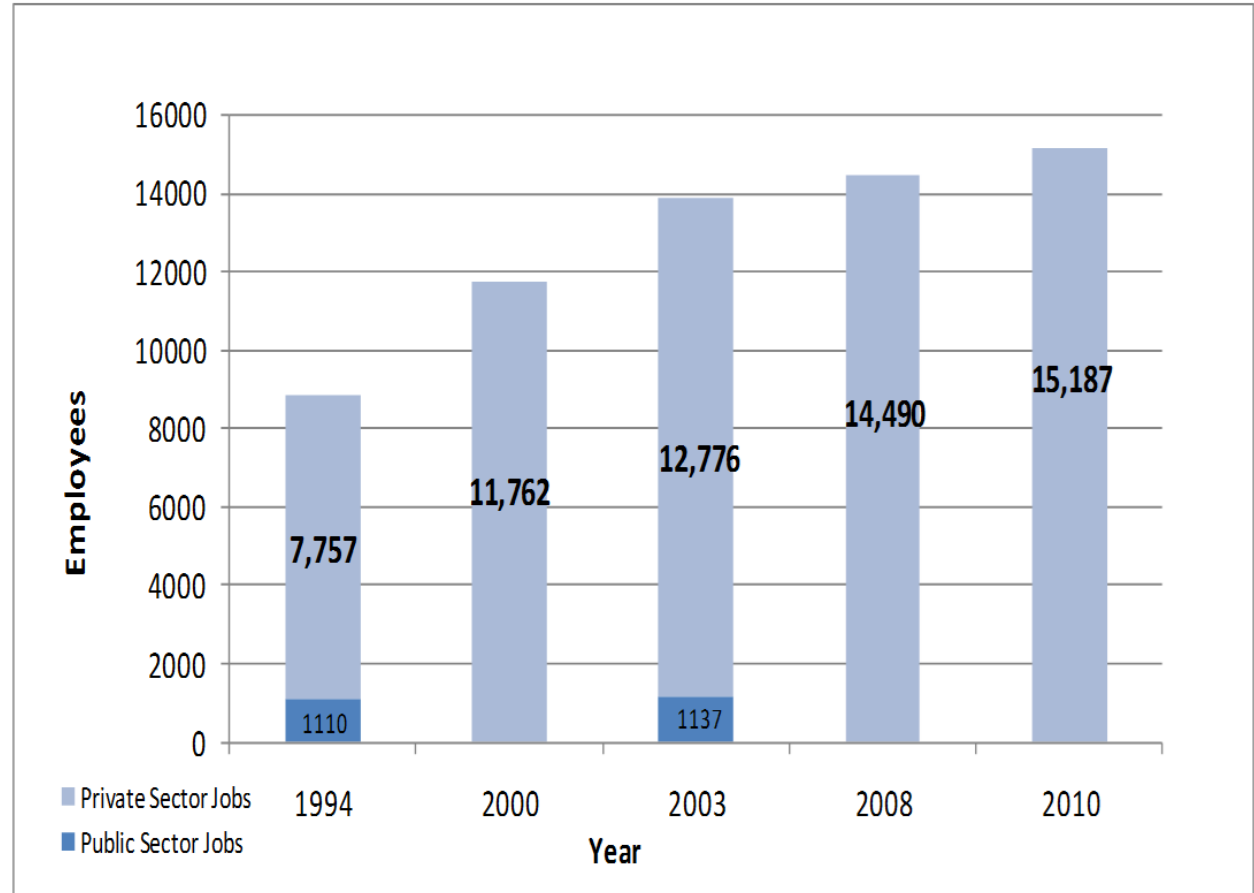
17 Manufacturing Facilities

\$3.8 Billion in yearly sales

4,300 Kentucky Jobs

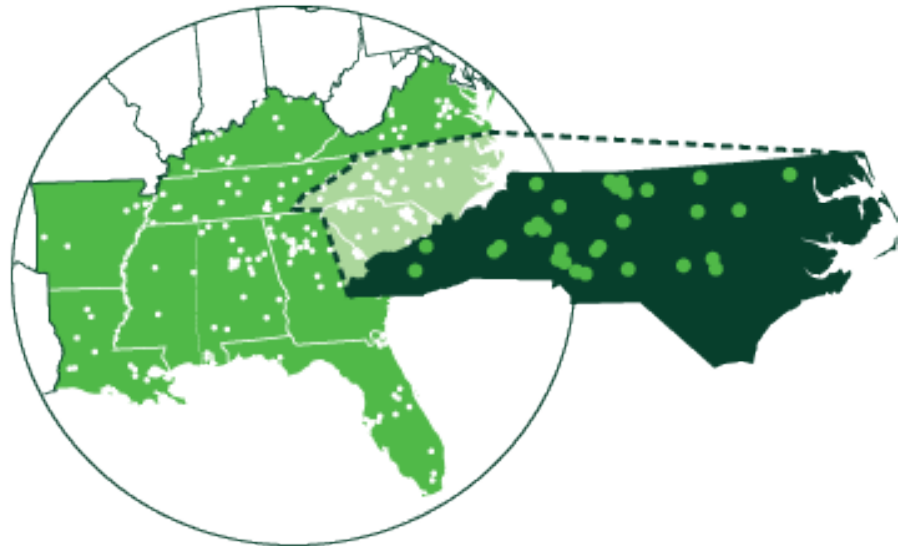


NC Recycling Employment



North Carolina

30 Manufacturing Facilities
\$1.1 Billion in yearly sales
2,800 North Carolina Jobs

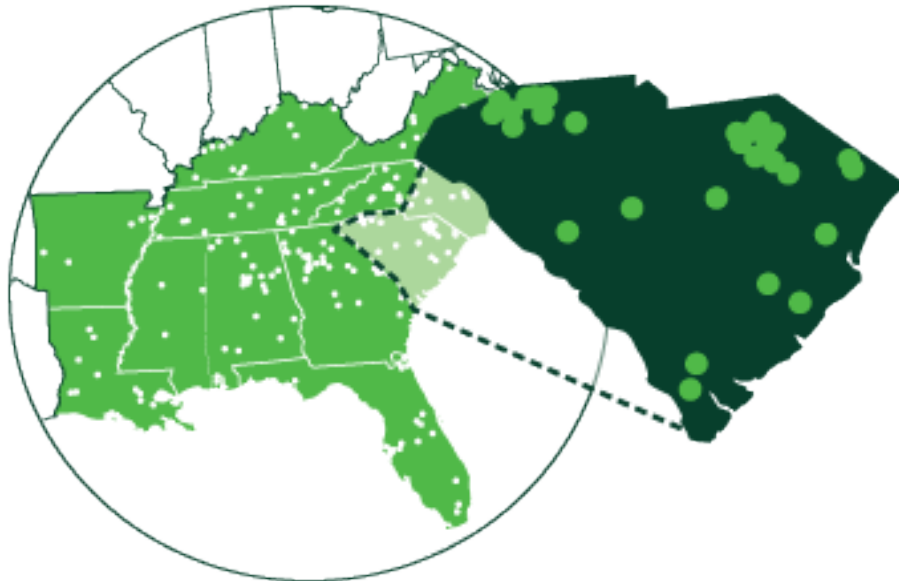


South Carolina

24 Manufacturing Facilities

\$5.3 Billion in yearly sales

5,300 South Carolina Jobs



S.C. Department of Commerce Recycling Market Development Advisory Council



- \$438 million in capital investment in 2010
- 1,130 new jobs with 28 new or existing companies
- 22% over 2009's \$354MM



Tennessee

30 Manufacturing Facilities

\$4.3 Billion in yearly sales

6,500 Tennessee Jobs



State	Manufacturers	Jobs	Annual Sales
Alabama	26	10,700+	\$6.6 billion
Arkansas	5	1,200+	\$0.4 billion
Florida	15	2,600+	\$1.5 billion
Georgia	31	7,000+	\$4.5 billion
Kentucky	17	4,300+	\$3.8 billion
Louisiana	10	2,900+	\$1.1 billion
Mississippi	3	525+	\$1.3 billion
North Carolina	30	2,800+	\$1.1 billion
South Carolina	24	5,300+	\$5.3 billion
Tennessee	30	6,500+	\$4.3 billion
Virginia	15	3,700+	\$3.6 billion
Region Totals	More than 206	Greater than 47,525	Over \$29.4 billion

SERDC

Southeast Recycling Development Council

Mapping Demand for Recycled Content Material

Southeastern manufacturers rely on recycled glass, plastic, metal, and paper to make new consumer goods.

☐ Hide Map Controls

 Print Map

 Refresh Map



Recycled Commodity Type

This map highlights key manufacturers who look to recycled materials to make their products.

- ☒ Select All ☒ Aluminum ☒ Glass ☒ Paper ☒ Plastic ☒ Steel

Show

Local investment in recycling fuels regional manufacturing. To search by company name, click the + signs below.

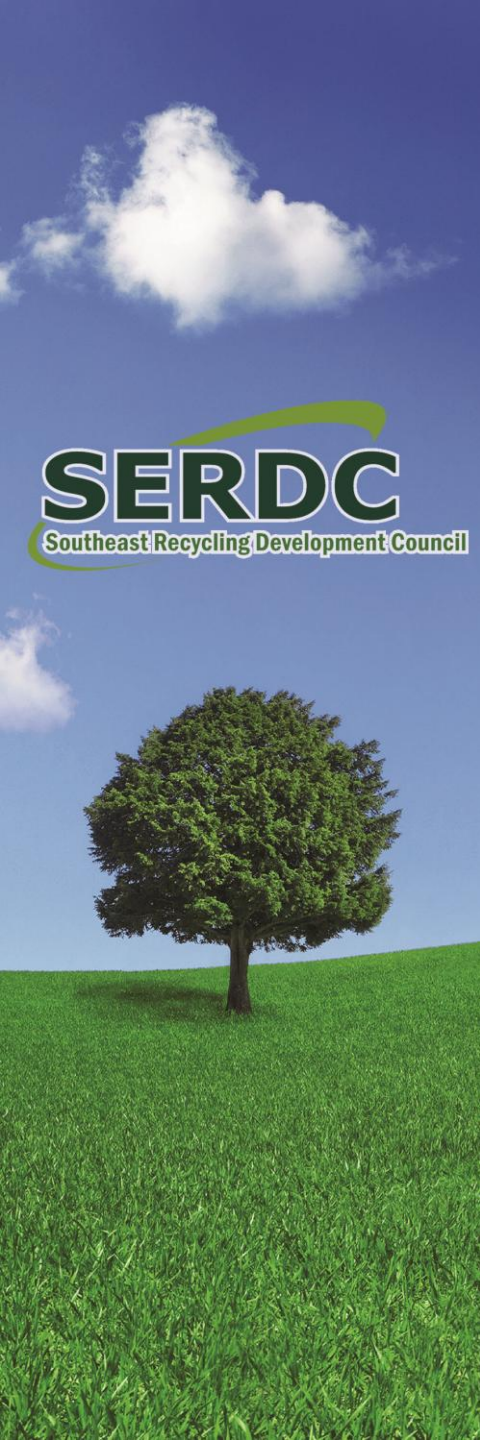
- ☒  Plastic
- ☒  Steel
- ☒  Aluminum
- ☒  Glass
- ☒  Paper

Special Thanks

- EPA Region 4

<http://www.epa.gov/region4/recycle>

- Municipal Government Toolkit





1,000 tons 
recycled materials would result in*

over
1.68
new jobs



over
\$79,000
annual
personal income



\$3,600
annual
state
tax base



North Carolina hosts
15,500 recycling-related jobs
average hourly wage of \$12.50
annual payroll of **\$376.8 million**

If NC recycled
just **10%**
more
municipal solid
waste each year,



the potential economic
impact would equate to*:

over
1,600
new jobs



over **\$78**
million
annual
personal income



\$3.6
million
annual
state
tax revenue

Potential in Tennessee



Current capture
1.9 million tons

Potential
5.7 million tons

Potential increase

6,384 jobs

\$300,200,000

Personal income

\$13,680,000

State Tax Revenue

Uniting Industry and Government

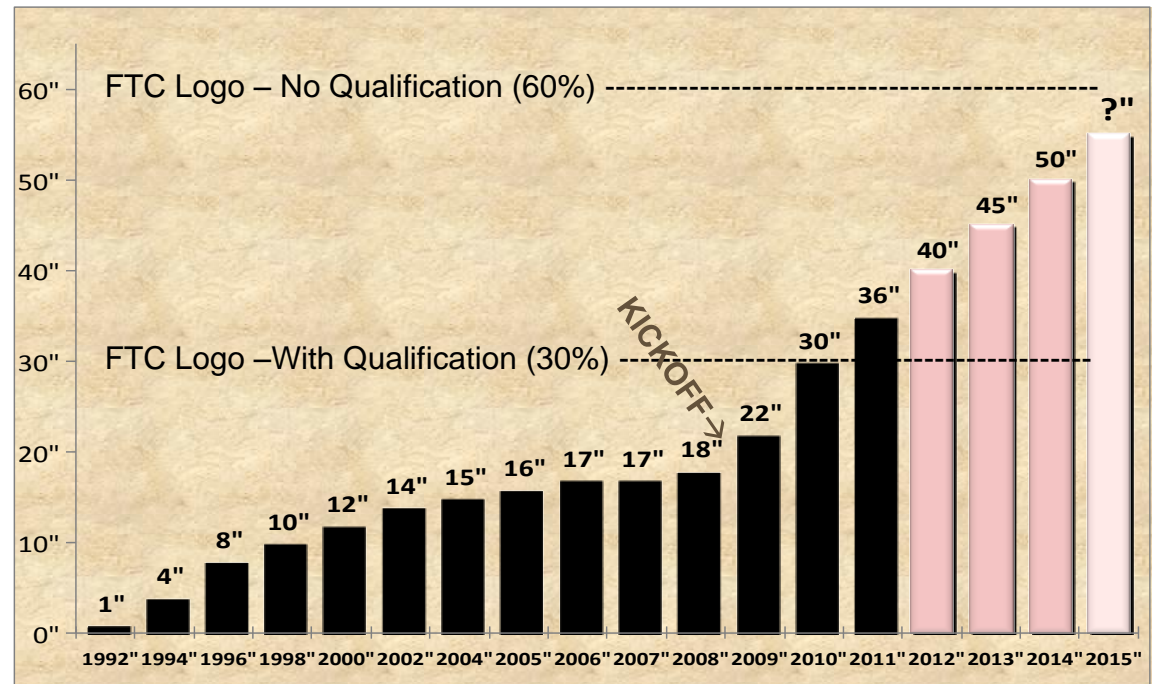
- O-I Investment in Virginia
- Paper Industry in MRFs
- Plastic expansion



New Materials

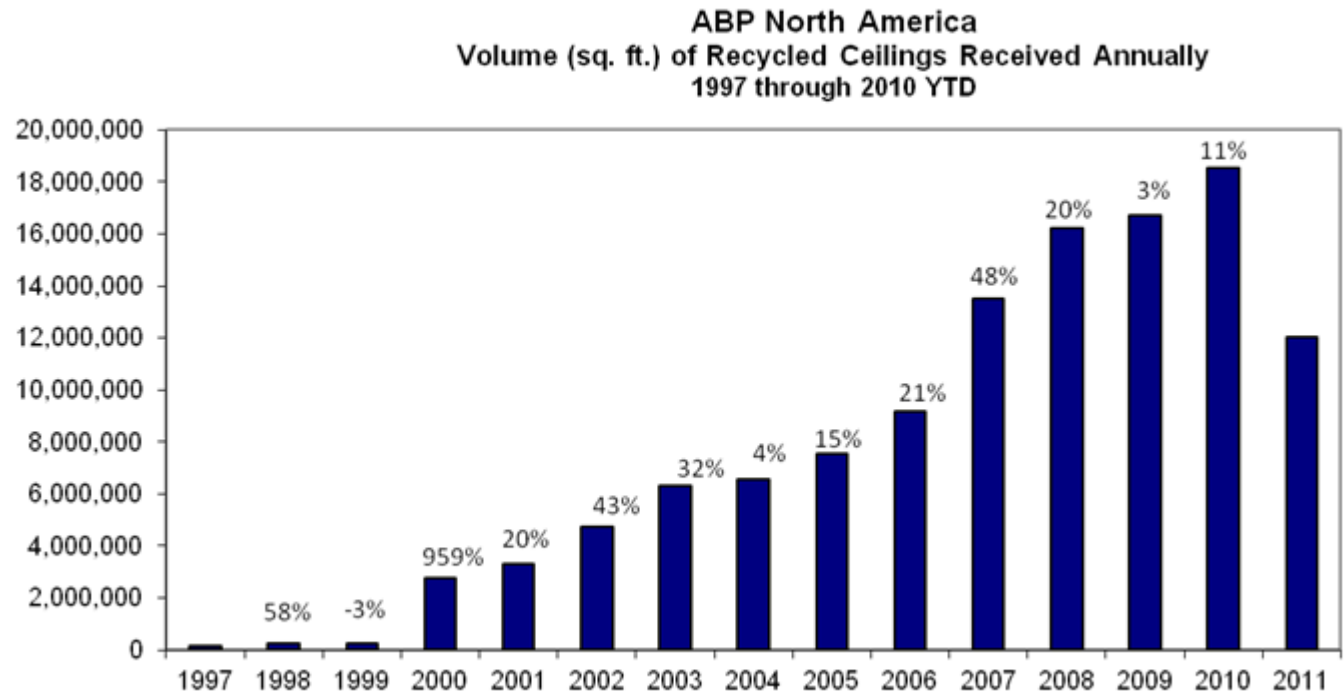


Focus On Results - Carton Recycling Access Goals



Carton Council
RecycleCartons.com
Jeffrey Fielkow

Armstrong



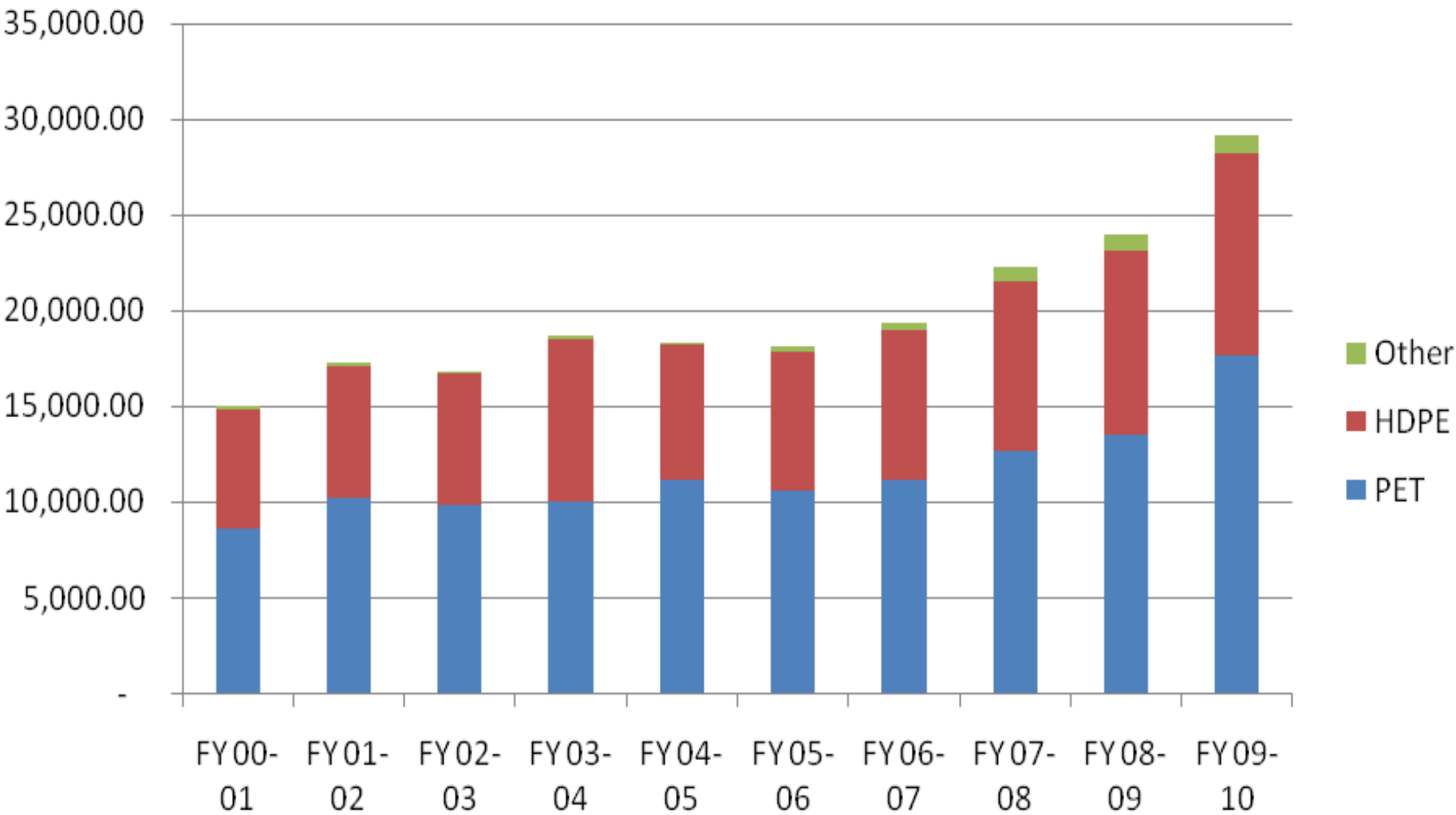
Material Disposal Bans



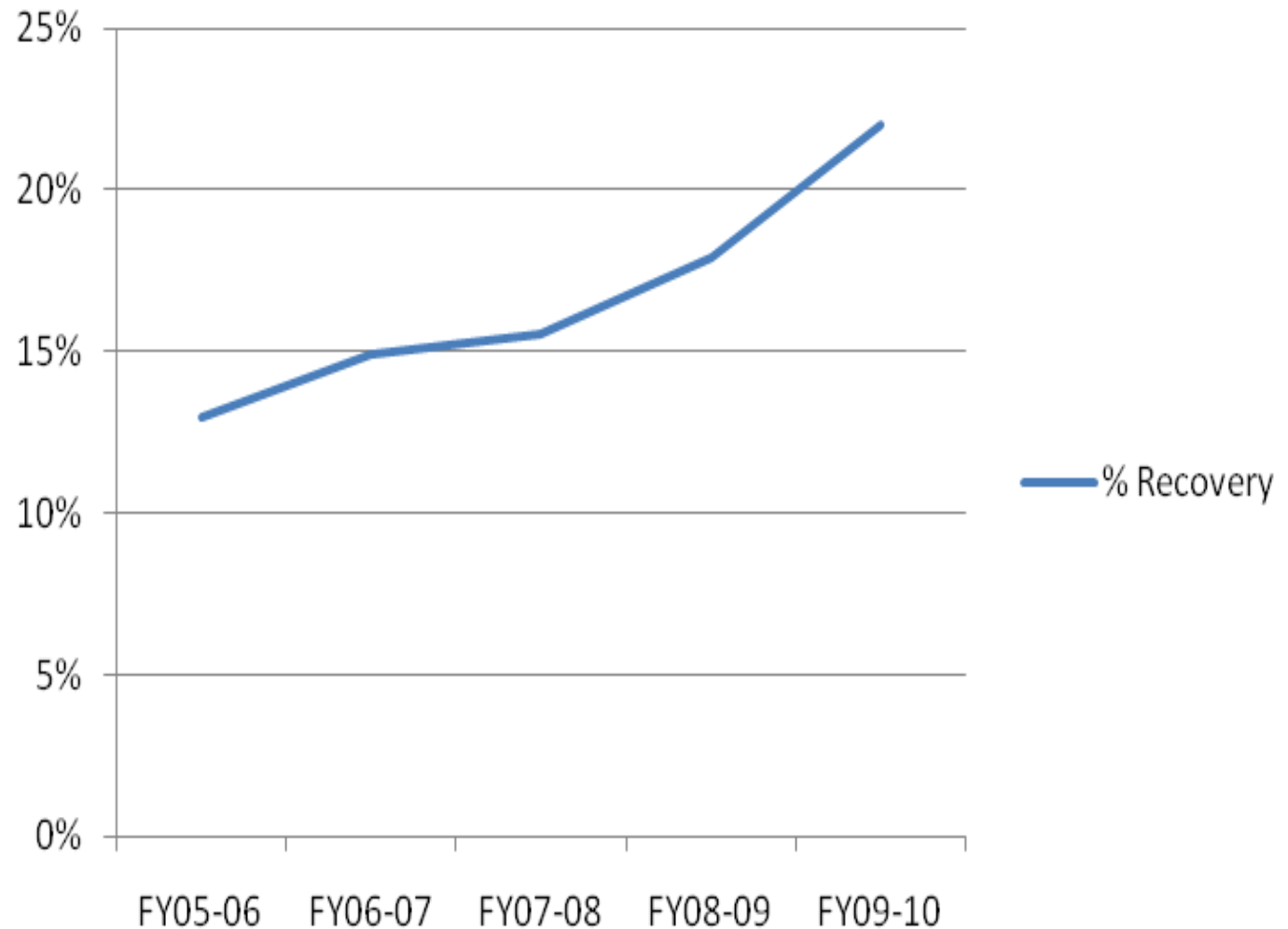
	GA	FL	KY	NC
Aluminum				Cans
Computers	Ban			Ban
Glass Containers				ABC
Lead Acid Batteries	Ban	Ban	Ban	Ban
Liquid Wastes	Ban	Ban	Ban	Ban
NiCad Batteries		Ban		
Paint	Ban		Ban	
Plastic Containers			Ban	Bottles
Recyclable Paper			Ban	
Tires	Ban	Ban	Ban	Ban
Waste Oil	Ban	Ban	Ban	Ban
White Goods		Ban		Ban
Yard Waste	Repealed	Repealed		Ban
Other				Pallets

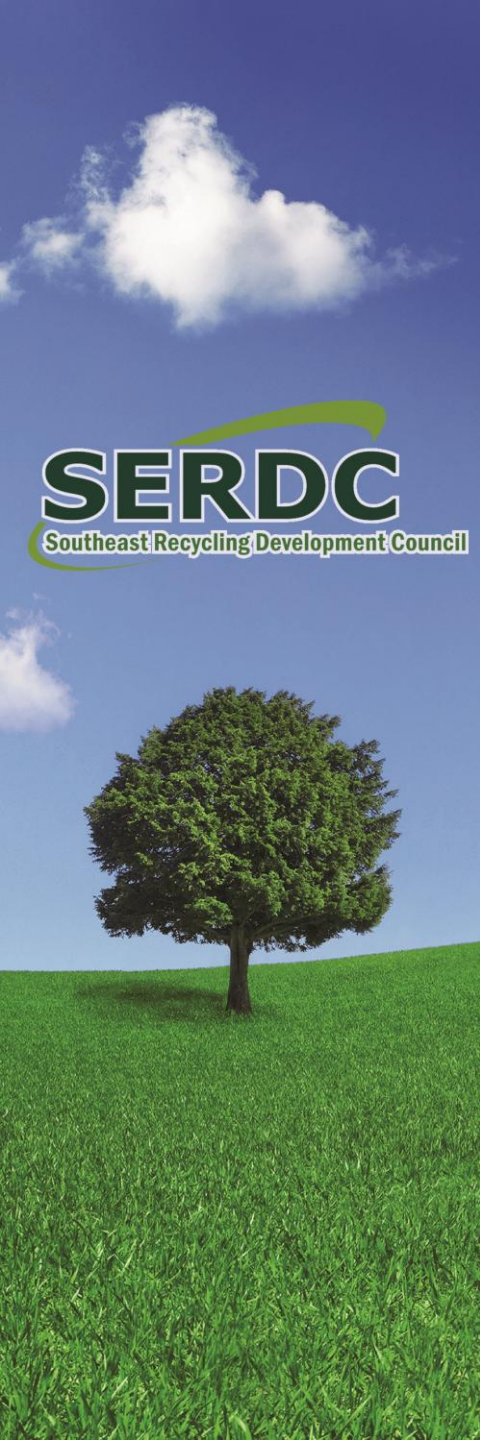


NC Plastic Bottle Recovery (tons)



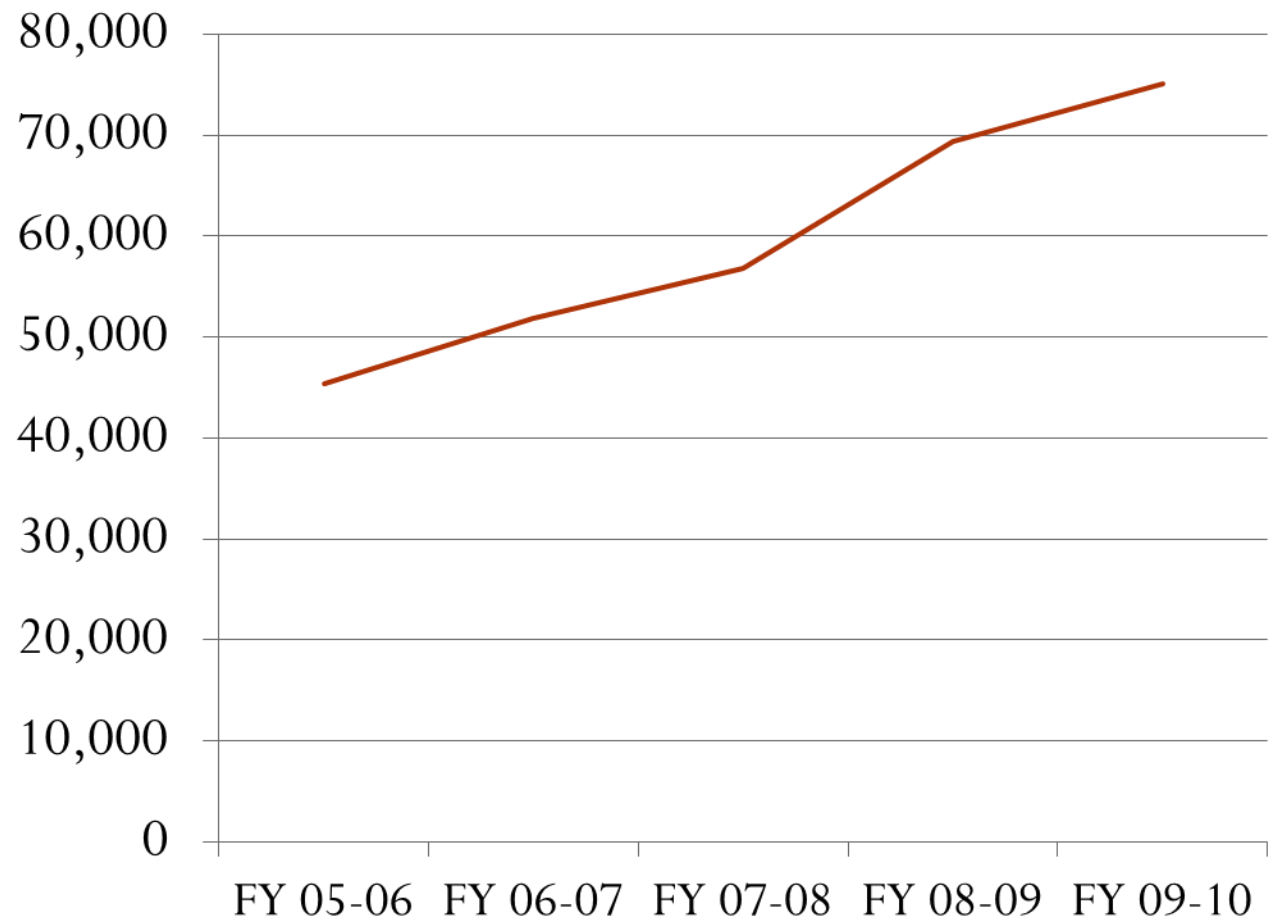
NC Plastic Bottle Recycling Rate





ABC Permit Holders

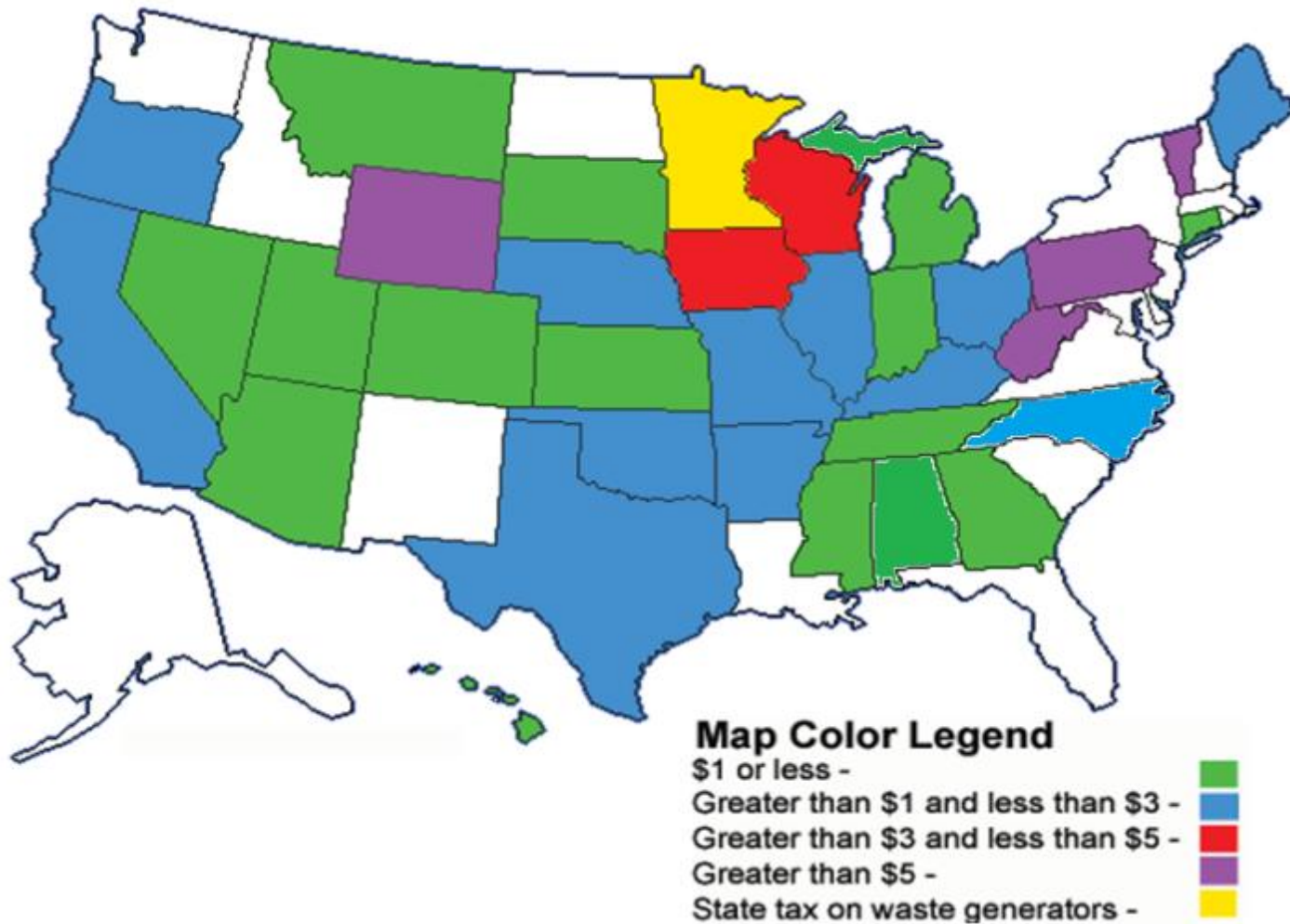
Glass By NC Local Govt Programs



Lessons from NC Bans

- Bans are an effective way to declare the commodity status of materials.
- Enforcement can be an issue and bans by themselves are not a “magic bullet.”
- Successful bans require both presence and development of infrastructure.
 - May need lead time built in to law for infrastructure to mature.
 - Success can be encouraged with program and grant support.

States with Tip Fee Surcharges



Incentives

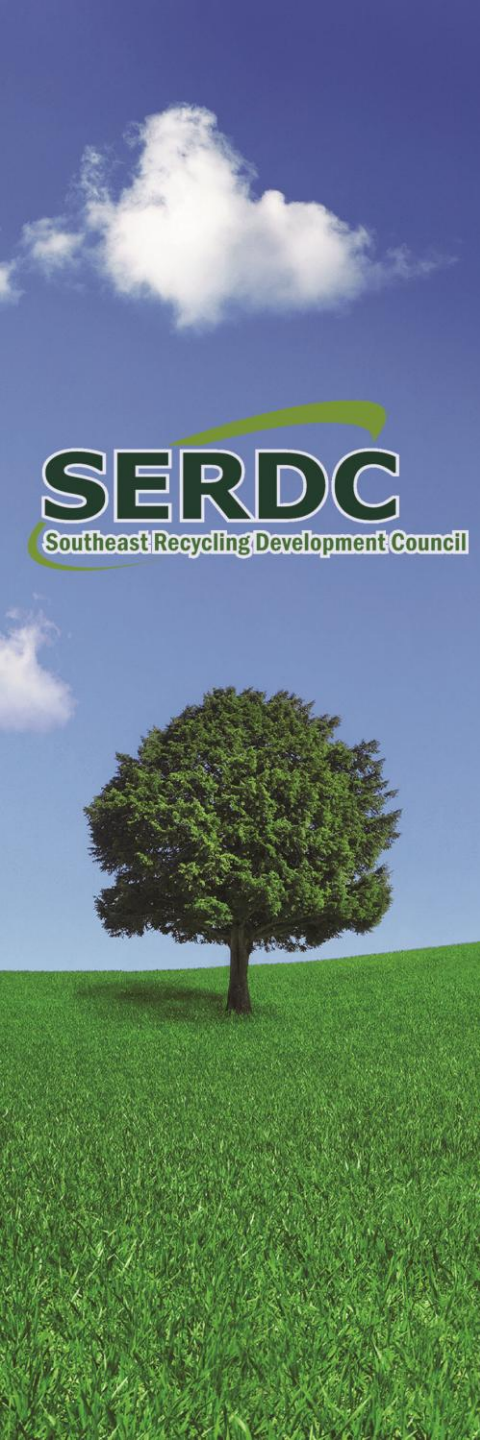
- Tax incentives
 - NC Property tax exception for Recycling Capital Equipment



Local Incentives

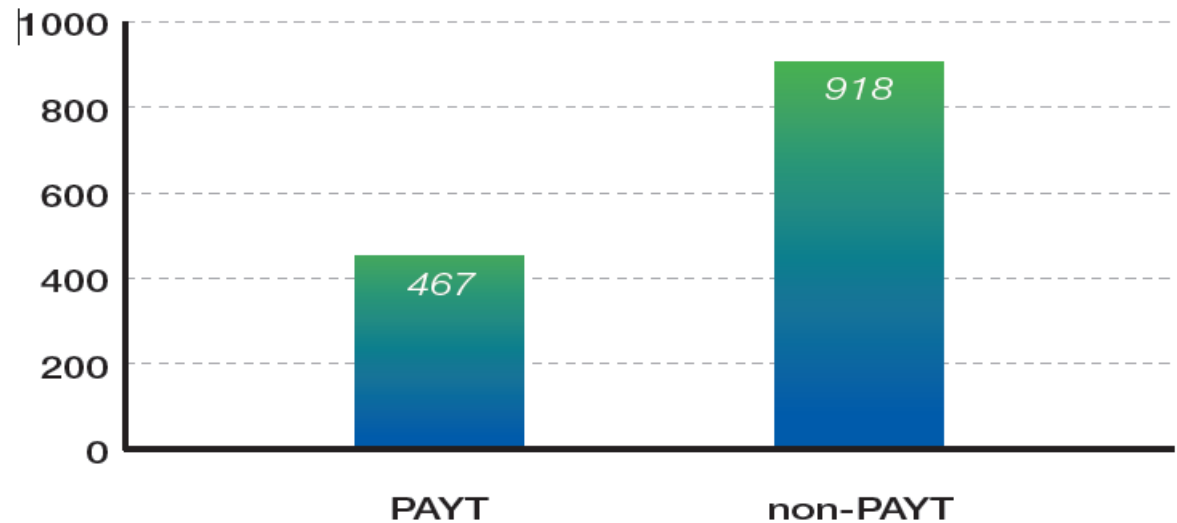
- Pay As You Throw
- Recyclebank
- Recycle and Win





Less Waste

*Per Capita Waste Disposal PAYT
vs. Non-PAYT Curbside*

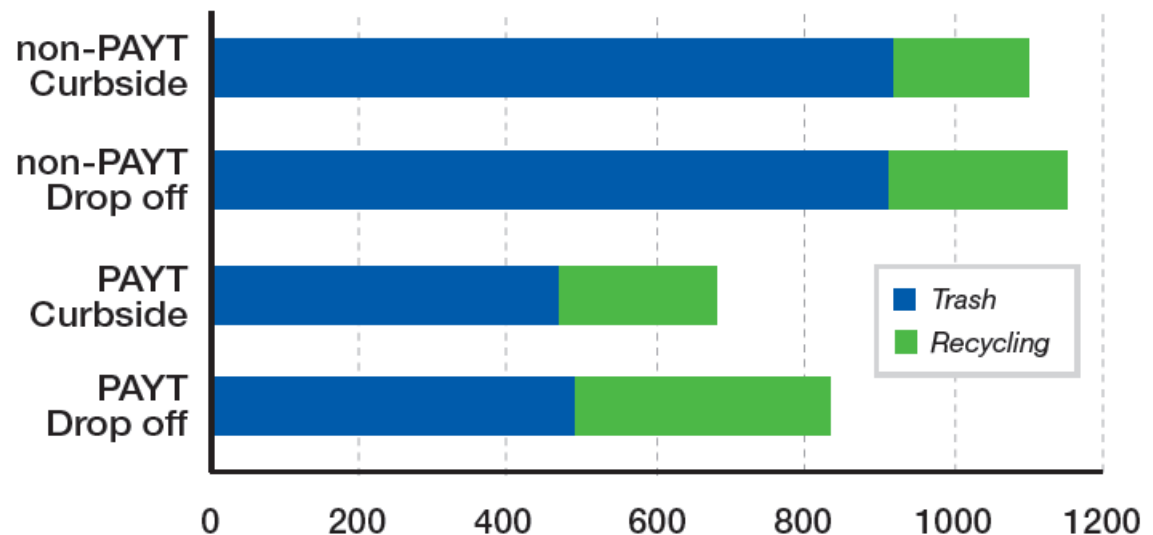


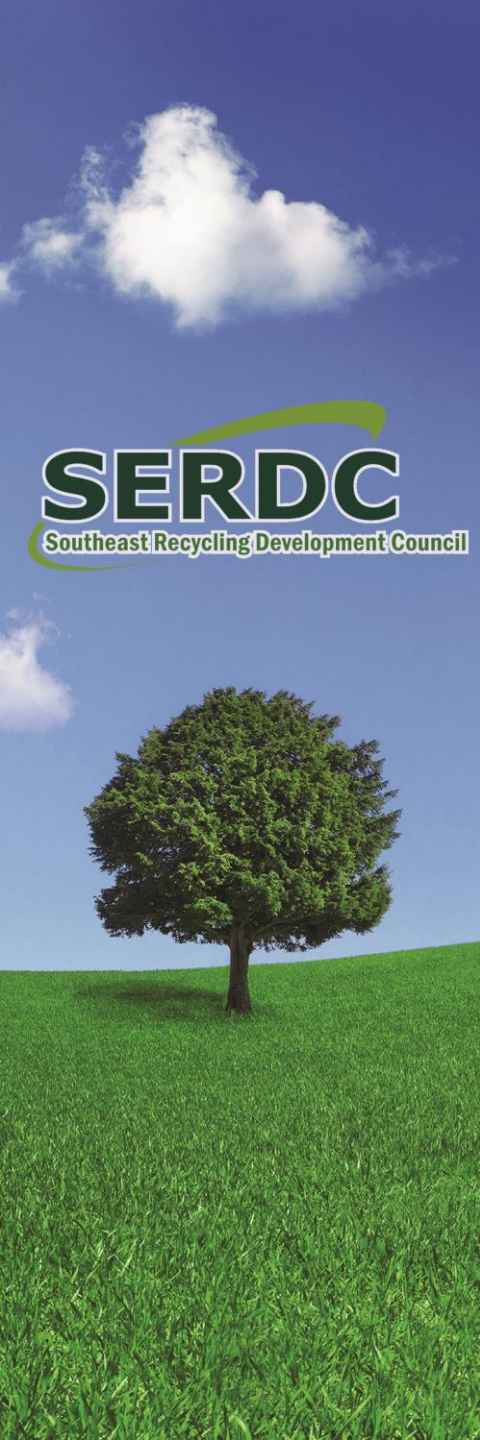
More Recycled



Overall Generation

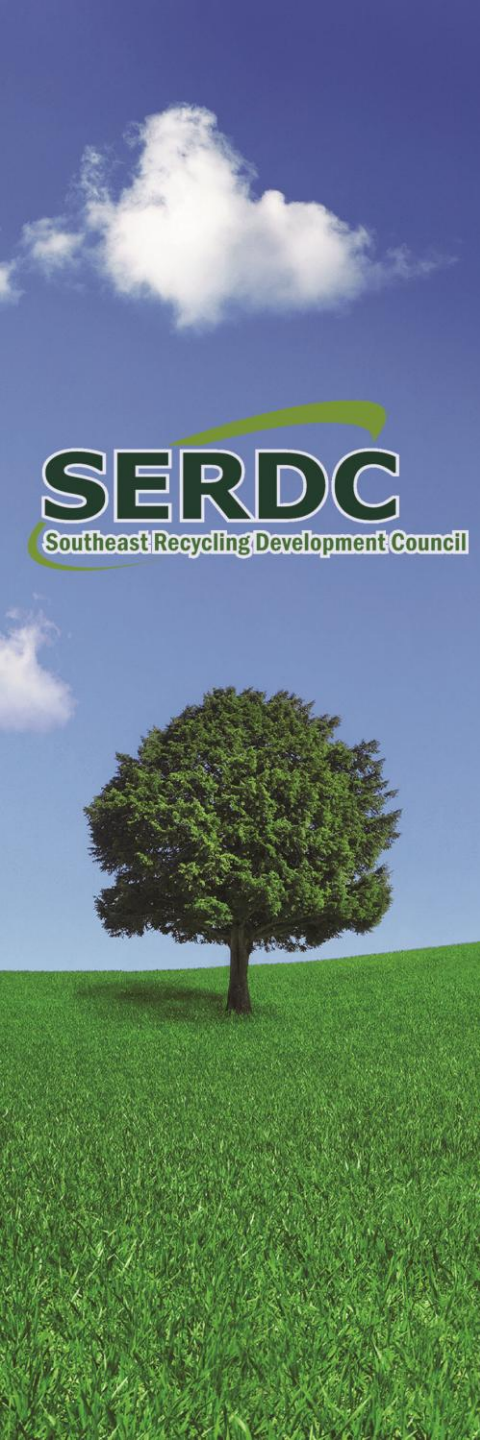
(per capita waste + per capita commodity recycling)





Target Message

Recovering Materials
Fuels a
Recovering Economy

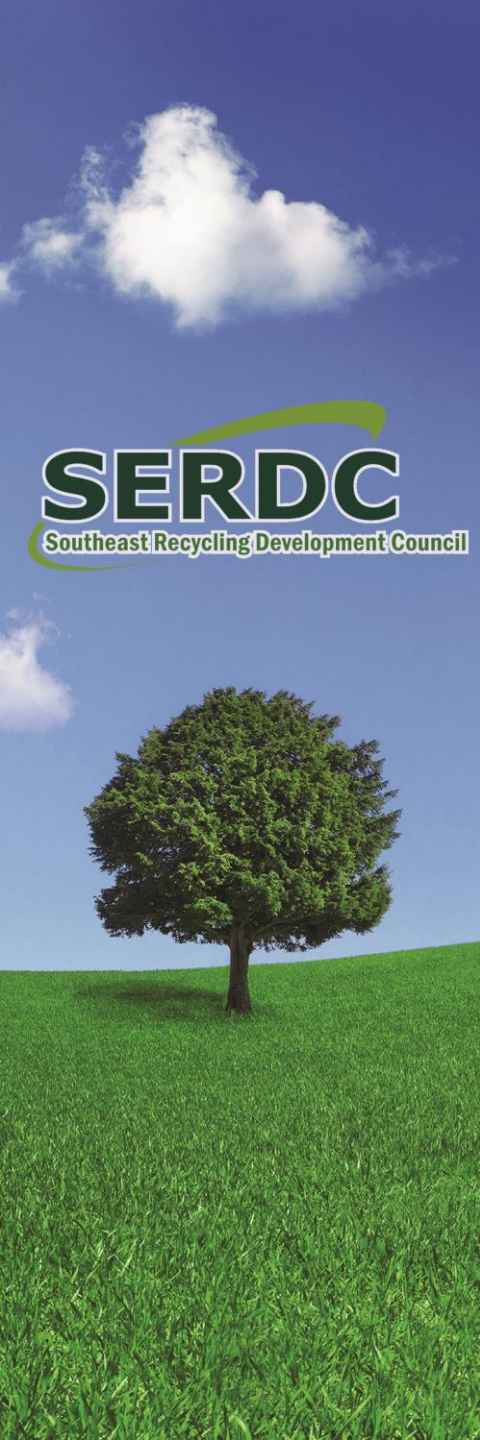


Objectives

- State level
 - Better planning requirements
 - Higher diversion goals
 - Funding
 - Extended Producer Responsibility
- Local level
 - Increase infrastructure investment
 - Improve outreach
 - Pay As You Throw



Increase Recycling
Quality
Quantity
Methods
Policy
Practice



SERDC Resources

www.serdc.org/regionalresources

- Economic Reports
- State Recycling Resources
- Market Directories
- Waste Exchanges

Memphis, October 26-27



A SYMPOSIUM FOR THE SOUTHEAST
RECYCLING & THE ECONOMY
Strengthening Local Manufacturing
Tracking Regional Job Development

October 26-27, 2011
Memphis Tennessee, Marriott Downtown Hotel

WEDNESDAY, OCTOBER 26: AFTERNOON SESSIONS

- Growing the Regional Economy: Increased Recycling and Growth of Local Manufacturing*
- Supply and Demand: Recycling's Role in Corporate Sustainability Goals*
- Networking Event: Evening Rooftop Reception*

THURSDAY, OCTOBER 27: MORNING SESSIONS

- Impacting the Future: State Policies that Fuel Job Growth*
- Across the Supply Chain: Finding Solutions for Increased Collection*

WHO'S ATTENDING?

- CONSUMER PRODUCT COMPANY OFFICIALS
- RECYCLING INDUSTRY REPRESENTATIVES
- STATE COMMERCE OFFICERS
- ELECTED DECISION MAKERS
- RECYCLING NGO MEMBERS

Details & Registration
www.serdc.org

The bottom of the poster features three logos. From left to right: the Tennessee Department of Environment & Conservation logo, the SERDC logo with the tagline "Southeast Recycling Development Council", and the Tennessee Recycling Coalition logo.

www.serdc.org/symposium



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